

No. 693,043.

Patented Feb. 11, 1902.

R. MIEHLE.

FLY FINGER FOR PRINTING PRESSES.

(Application filed June 15, 1901.)

(No Model.)

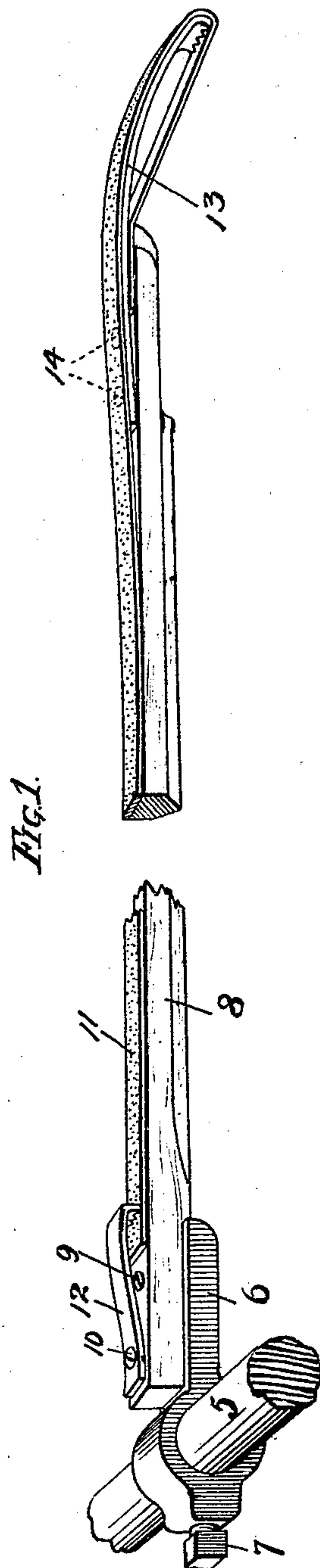


Fig. 1.

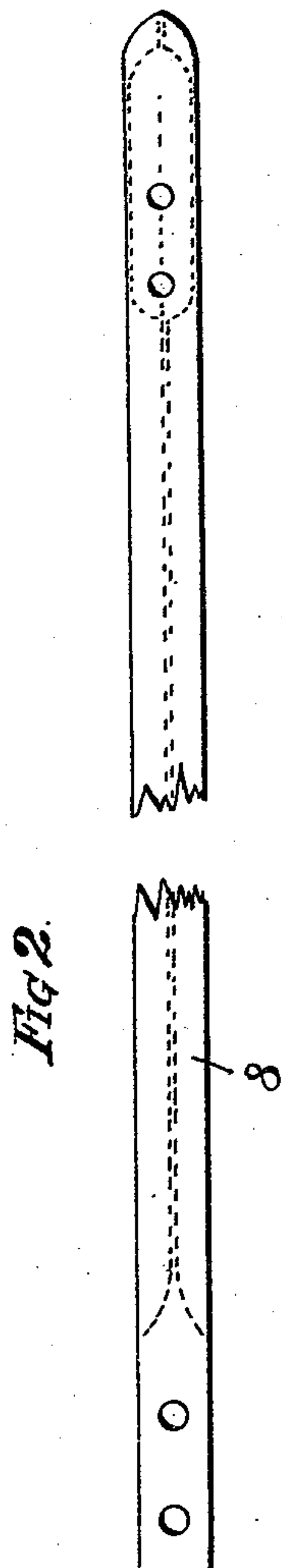


Fig. 2.

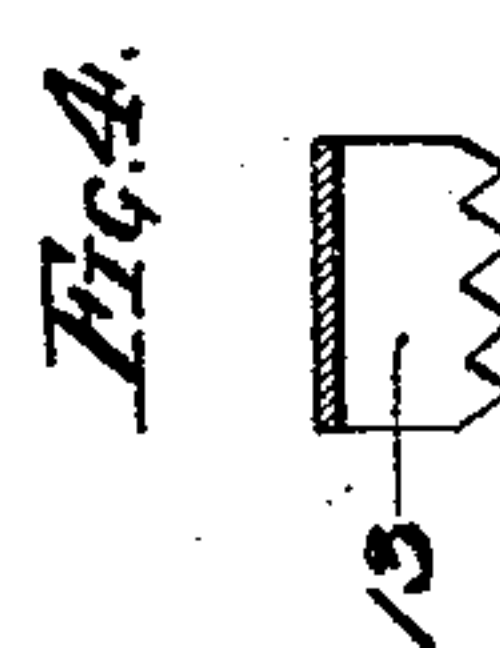


Fig. 3.



Fig. 4.

WITNESSES:
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FLY-FINGER FOR PRINTING-PRESSES.

SPECIFICATION forming part of Letters Patent No. 693,043, dated February 11, 1902.

Application filed June 15, 1901. Serial No. 64,633. (No model.)

To all whom it may concern:

Be it known that I, ROBERT MIEHLE, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Fly-Fingers for Printing-Presses, of which the following is a specification.

This invention relates to the construction of the means used for holding the sandpaper covering usually employed upon the fly-fingers of printing-presses to prevent the printed sheets from becoming smudged by their contact with the fingers, the interspaces of the sandpaper allowing the ink taken up from the sheets to sink below the surface, so that the sheets are not smudged thereby until the interspaces become filled.

My aim in the invention has been to provide a construction of holders or retaining devices which will not only hold the sandpaper strips with sufficient tenacity, but will also permit the ready replacing of them when they become charged with ink.

The nature of my invention will be fully understood from the following description when taken in connection with the accompanying drawings, in which—

Figure 1 is a perspective of a fly-finger equipped with my invention. Fig. 2 is a plan of the wood body of a finger without the sandpaper. Fig. 3 is a plan of the spring for holding one end of the sandpaper strip, and Fig. 4 is a transverse section.

In said drawings, 5 represents the rock-shaft whereby the fly-fingers are operated, and 6 is an arm adjustably mounted on and having a hub encircling the shaft, as shown, and held in its adjusted position by the set-screw 7. To the arm 6 is attached the wood body 8 of the fly-finger, which may be of any ordinary construction and is provided with openings for the screws 9 and 10, whereby it is secured to the arm 6.

11 is the sandpaper strip with which the fly-finger is covered. At the base end of the fly-finger the strip 11 is secured by a spring 12, held at one of its ends by the screw 10 and at the other end bent over and serrated, as plainly shown in Fig. 1, the serrated edge bearing upon the sandpaper and holding it

by its pressure. At the outer end of the fly-finger is another spring-holding device 13, attached to the fly-finger by screws 14 and extending beyond the end of the body portion 8. Its outer end is curved downward, and its extremity is bent at right angles much in the same way as the end of spring 12, and its end edge is also serrated, as shown. The sandpaper is carried around the outer end of the spring and then doubled back under the same and its extremity tucked between the body 8 and that portion of the spring outside of the screws 14. The sandpaper strip is drawn taut around the spring, and the holding pressure of the spring on the extremity of the paper reinforced by the serrated edge will be found sufficient to keep it taut during use.

To release the sandpaper from the springs described, it is only necessary to bend spring 13 upward, so that the outer end of the paper may be released from between it and the body 8, and the outer end of spring 12 can be lifted to release the inner end of the paper, or the screw 10 may be loosened. The replacing of the paper will thus be seen to be a very quick and easy operation.

I claim—

1. The combination with a fly-finger of a sandpaper cover, and springs acting to hold the cover by pressure upon its ends, substantially as specified.

2. The combination with a fly-finger and its sandpaper cover, of friction-springs having their ends bent and serrated, and acting to hold the cover, substantially as specified.

3. The combination with the fly-finger and its sandpaper cover, of spring 13 extending beyond the rigid portion of the finger, and bent downward, substantially as specified.

4. The combination with the fly-finger and its sandpaper cover, of spring 13 extending beyond the rigid portion of the finger, and bent downward, the sandpaper being doubled around the spring with its extremity secured between the spring and said rigid portion, substantially as specified.

ROBERT MIEHLE.

Witnesses:

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